VERSION WITH CHANGES MARKED-UP

In the specification:

Paragraph beginning at line 16 of page 10 has been amended as follows:

In this manner, the table data may be reconstructed while other tables can be accessed in a "read only" mode. Furthermore, each table and the ~~table space~~ <u>tablespace</u> is returned to the configuration that was present prior to the corruption of the data in the affected table.

Paragraph beginning at line 3 of page 13 has been amended as follows:

In operation, <u>the</u> method ~~300~~ <u>of</u> Fig. 3 is used to recover a table after the table data has been corrupted without requiring tablespace from which the table depended on to be recovered. The <u>M</u>method ~~300~~ <u>of</u> Fig. 3 allows access to other tables of tablespace 10 without requiring those tables to be rebuilt. <u>The</u> <u>M</u>method ~~300~~ <u>of</u> Fig. 3 also optimizes the table recovery process by sorting the log records, such that input/output operations to tablespace 10 are optimized during the table recovery process.

11

In the claims:

Please amend claims 1-6, 12 and 17-19 as follows.

--1. (Twice Amended) A system for recovering a <u>database</u>
table comprising:

a table recovery system, the table recovery system operable
to retrieve a backup copy of a tablespace and to apply updates
<u>to the backup copy</u> from a log, ~~the table recovery system~~
~~restoring~~ <u>and to restore</u> a <u>database</u> table in the tablespace from
the <u>updated</u> backup copy ~~having log updates~~ without ~~having to~~
~~restore other portions of~~ <u>modifying the configuration of</u> the
tablespace~~,~~<u>; and</u>

a tablespace access system coupled to the table recovery
system, wherein the tablespace access system is operable to
restrict access to the tablespace to read-only access.

2. (Once Amended) The system of claim 1 wherein the table
recovery system further comprises a log record sorter system
operable to sort log records from ~~a~~ <u>the</u> log ~~record file~~.

3. (Once Amended) The system of claim 2 further comprising<u>:</u>

a data page updater system coupled to the log record sorter
system operable to apply <u>the</u> log record updates to ~~a data page~~
<u>the backup copy.</u>

12

4. (Once Amended) The system of claim 3 further comprising:

a data page scanner system coupled to the data page updater system, the data page scanner system operable to locate ~~records~~ page rows associated with ~~a~~ the database table in ~~a~~ at least one data page.

5. (Once Amended) The system of claim 4 further comprising:

a page row extractor system coupled to the data page scanner system operable to extract the page rows from ~~a~~ the at least one data page that has been located by the data page scanner system.

6. (Once Amended) The system of claim 5 further comprising:

a table row inserter system coupled to the page row extractor system operable to write the extracted page rows to the database table.

12. (Twice Amended) A method of recovering a first database table that depends on a tablespace, said method comprising:

receiving a backup copy of a tablespace having one or more database tables;

reading log records associated with a first database table in the one or more database tables;

13

applying the log records to the backup copy <u>without</u> <u>modifying the configuration of the tablespace</u>;

building new table data pages from the backup copy;

scanning the new table data pages for records of the first <u>database</u> table; and

updating the first <u>database</u> table from the records.

17. (Once Amended) A method for recovering a <u>database</u> table that depends on a tablespace, said method comprising:

receiving a backup copy of a tablespace having one or more <u>database</u> tables;

reading log records associated with a first <u>database</u> table in the one or more <u>database</u> tables;

applying the log records to the backup copy <u>without</u> <u>modifying the configuration of the tablespace</u>;

building one or more table data pages from the backup copy having the log records applied;

selecting one or more records from the one or more <u>database</u> table data pages, the one or more records belonging to the first <u>database</u> table; <u>and</u>

updating the first <u>database</u> table with the one <u>or</u> more records selected from the one or more table data pages, while allowing access to rest of the one or more <u>database</u> tables in the tablespace,

14

[NYC] 390094.1

wherein the first <u>database</u> table can be recovered without having to recover the tablespace entirely.

18. (Once Amended) The method of claim 17, further comprising<u>:</u>

allowing said at least one of the one or more <u>database</u> tables to have update access to the tablespace when the first <u>database</u> table is restored.

19. (Once Amended) The method of claim 17, further comprising:

deleting all rows of the first <u>database</u> table; <u>and</u>

locking out access to ~~indexes~~ <u>indices</u> of the first <u>database</u> table.--

15

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Christopher F. Parker

Serial No.:   09/349,198

Title: DATABASE TABLE RECOVERY SYSTEM

Filing Date: July 7, 1999

Art Unit: 3624

Examiner: E. Colbert

I hereby certify that this correspondence is being facsimile
transmitted to Examiner Ella Colbert, Group Art Unit 3624, at
the USPTO at 703-305-7687 on the below date.
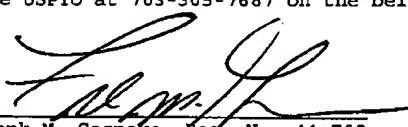
Frank M. Gasparo, Reg. No. 44,700

November 18, 2002
Date

LETTER WITH PROPOSED DRAWING CHANGES

Box Non-Fee Amendment
Commissioner for Patents
Washington, D.C. 20231

Sir:

Applicants hereby propose to amend the drawings in the

above-identified application as indicated in red on the

copy submitted herewith.

More specifically, Applicants have amended: Fig. 2 by

changing "Backup Copy System" to --Tablespace Backup Storage--.

Upon approval of the herein-proposed drawing changes

and the issuance of a Notice of Allowance, Applicants will

promptly attend to correcting the formal drawings in accordance

1

[NYC] 390094.1

with present Office practices.

Respectfully submitted,

Date: November 18, 2002   By:
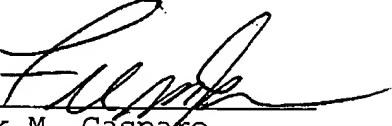
Frank M. Gasparo
Registration No.44,700
Baker & McKenzie
805 Third Avenue
New York, NY 10022
Telephone (212) 751-5700
Facsimile (212) 759-9133

2

[NYC] 390094.1